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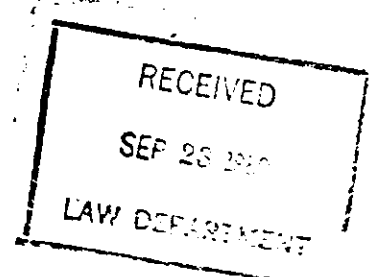
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(1984-1940)

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DAVID R. HARDY  
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September 19, 1980



Thomas F. Ahrensfield, Esq.  
Max H. Crohn, Jr., Esq.  
Joseph Greer, Esq.  
Arnold Henson, Esq.  
Ernest Pepples, Esq.  
Arthur J. Stevens, Esq.

The research review group headed by Ernie Pepples has held several meetings at which a project suggested by Dr. Alex Spears was discussed. The basic objective of the proposed project is to quantify the exposure of the nonsmoker to environmental tobacco smoke. Phase one, items 1-3 described on pages 3-4 of enclosure (1), would involve a study of the relationship of nicotine to particulates (and how it may change over time) and the possible conversion of nicotine to cotinine in the air. Phase two, item 4 of enclosure (1), would be a study of urinary cotinine (cotinine is a major metabolite of nicotine). The final phase would involve the analysis of urinary cotinine in a fairly sizable population of smokers and nonsmokers.

Ernie has advised me that several chief executives have expressed interest in the proposed study and you are probably already generally familiar with it. You may or may not have reviewed the following enclosed materials:

- (1) Dr. Spears' letter of July 7, 1980, enclosing a draft paper which provides background on, and generally describes, the proposed research; and
- (2) Dr. Spears' letter of July 15, 1980, enclosing cost estimates.

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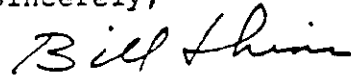
September 19, 1980  
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I seek funds at this time for the work described in phase one, items 1-3 of the draft paper. The anticipated cost for items 1-3 is approximately \$30,000. Phase two, item 4, could add another \$125,000 (assuming no change in laboratories and investigators) and the final phase (according to a rough estimate by Dr. Spears) "another \$150,000."

This would be a Special 4 project and any contracts can be entered into by this firm or as you may direct.

I recommend approval of a \$30,000.00 commitment to finance the work described in items 1-3. No commitment is implied with regard to either item 4 or the final phase.

Sincerely,



William W. Shinn

WWS/rf

cc: Alexander Holtzman  
Janet Brown  
Edwin J. Jacob